

FIG. 1

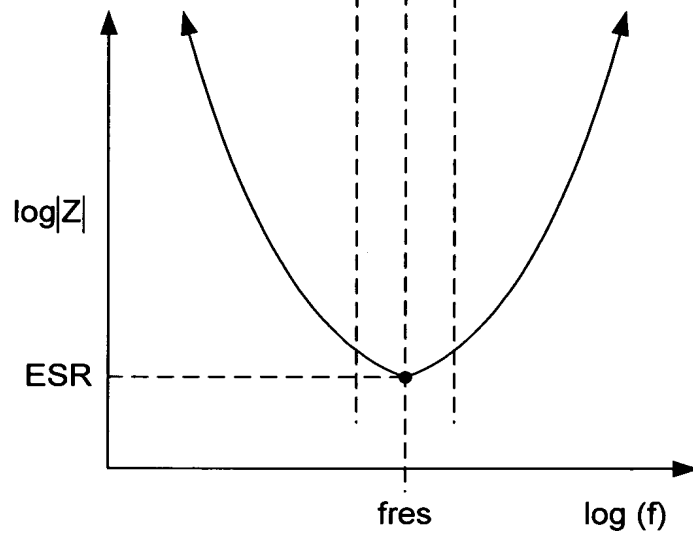


FIG. 2

006730-60000000



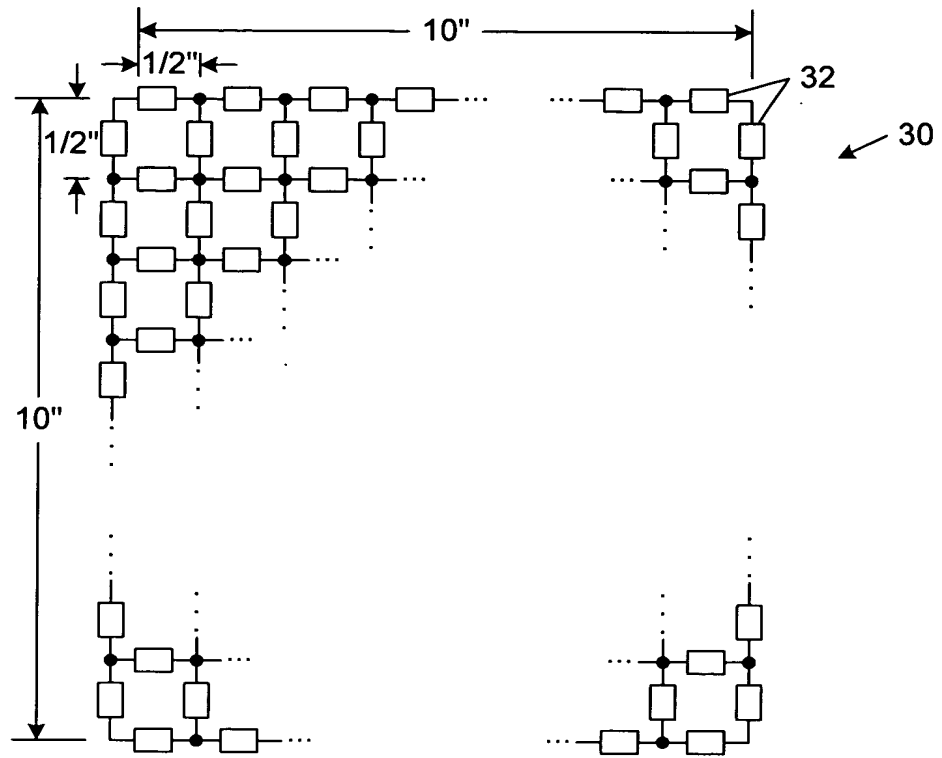


FIG. 5

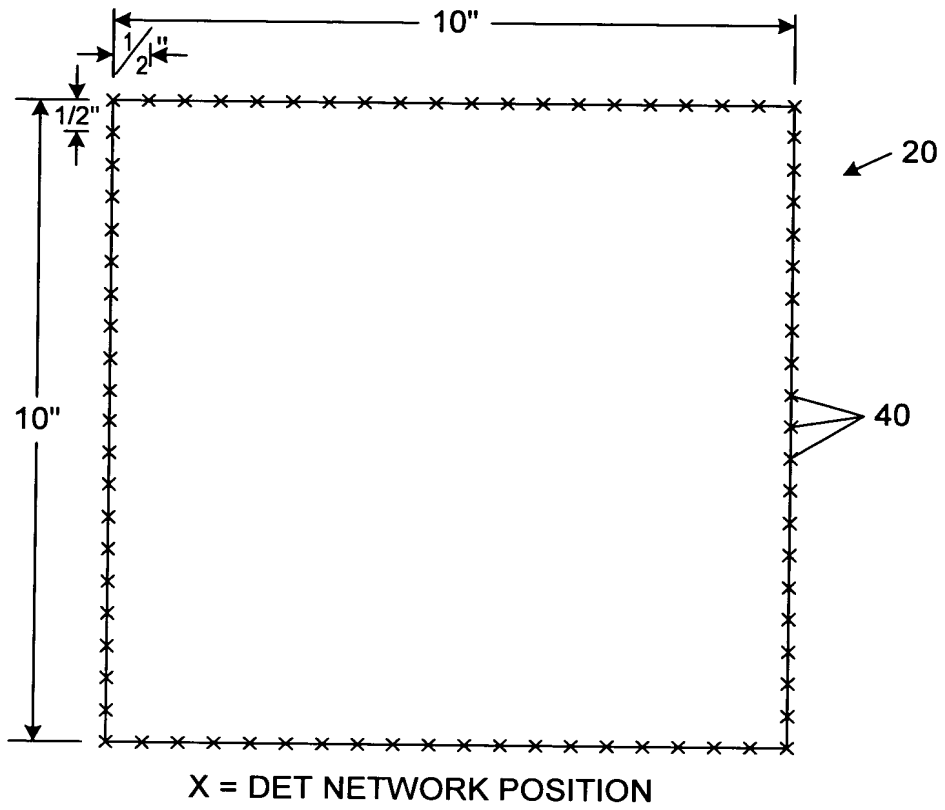


FIG. 6

006T30" 00000000

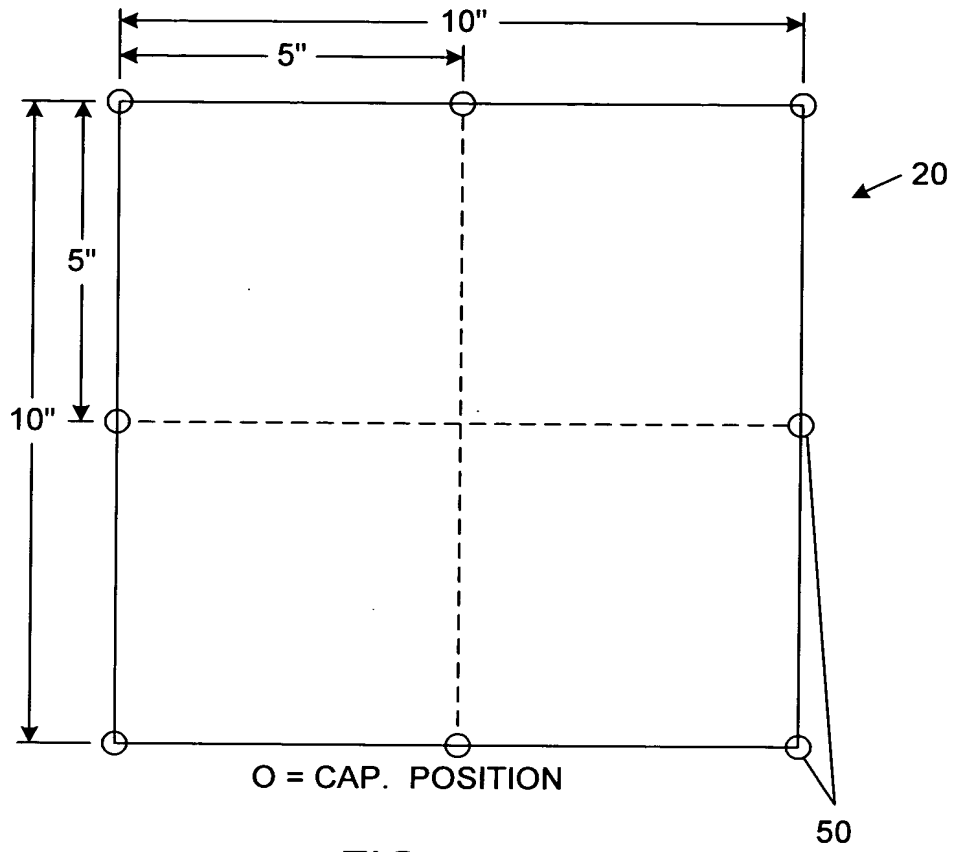


FIG. 7

006T90"E9996560

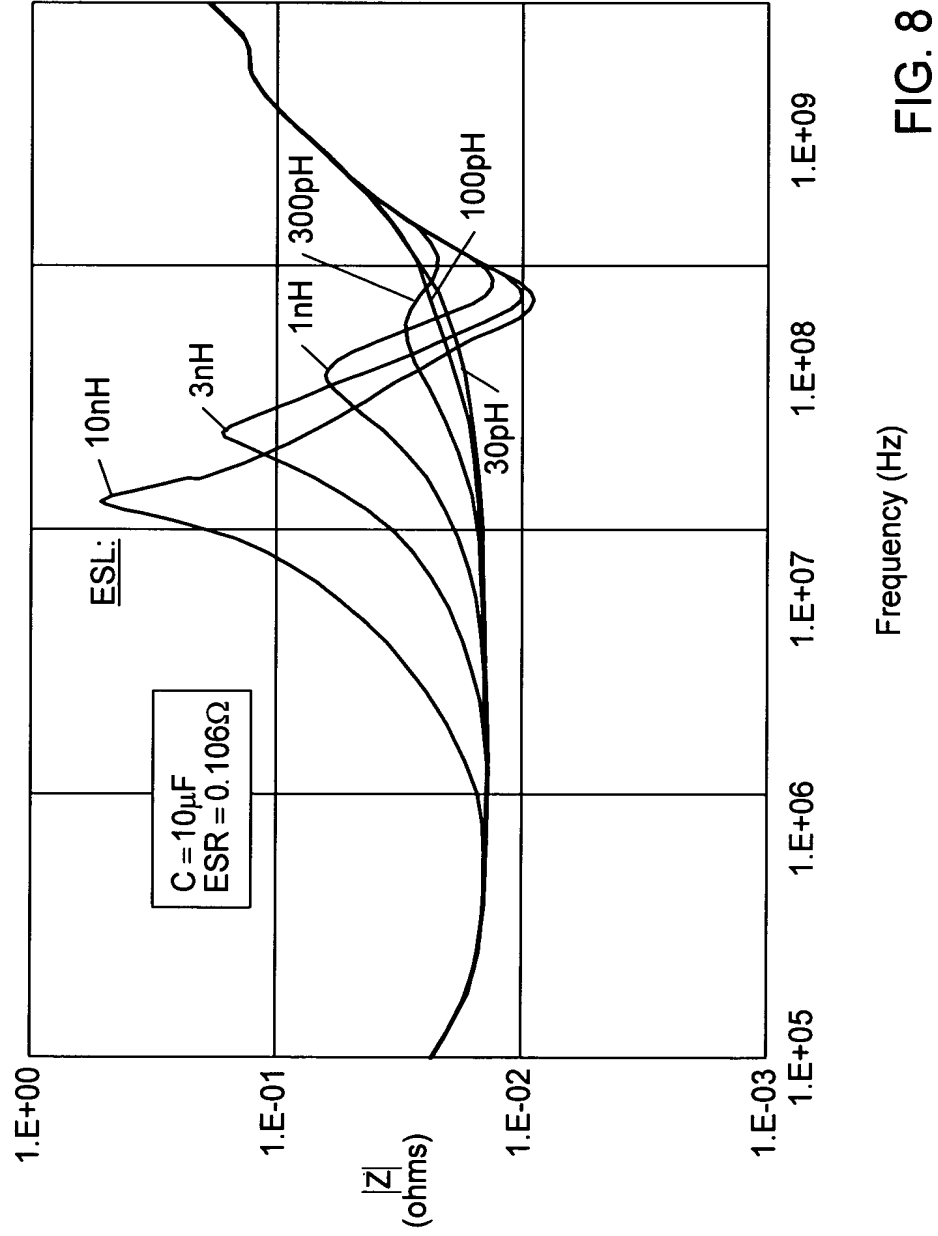


FIG. 8

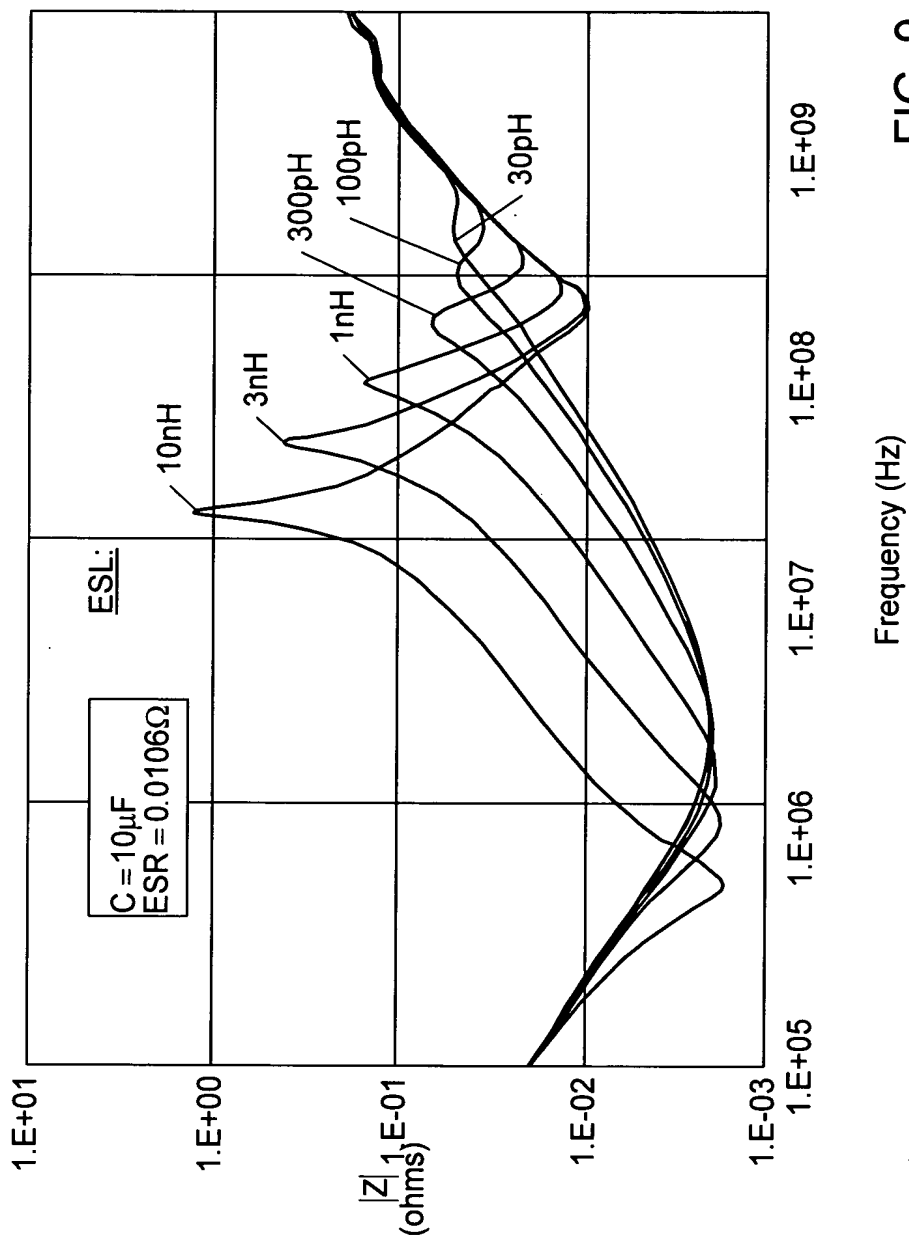


FIG. 9

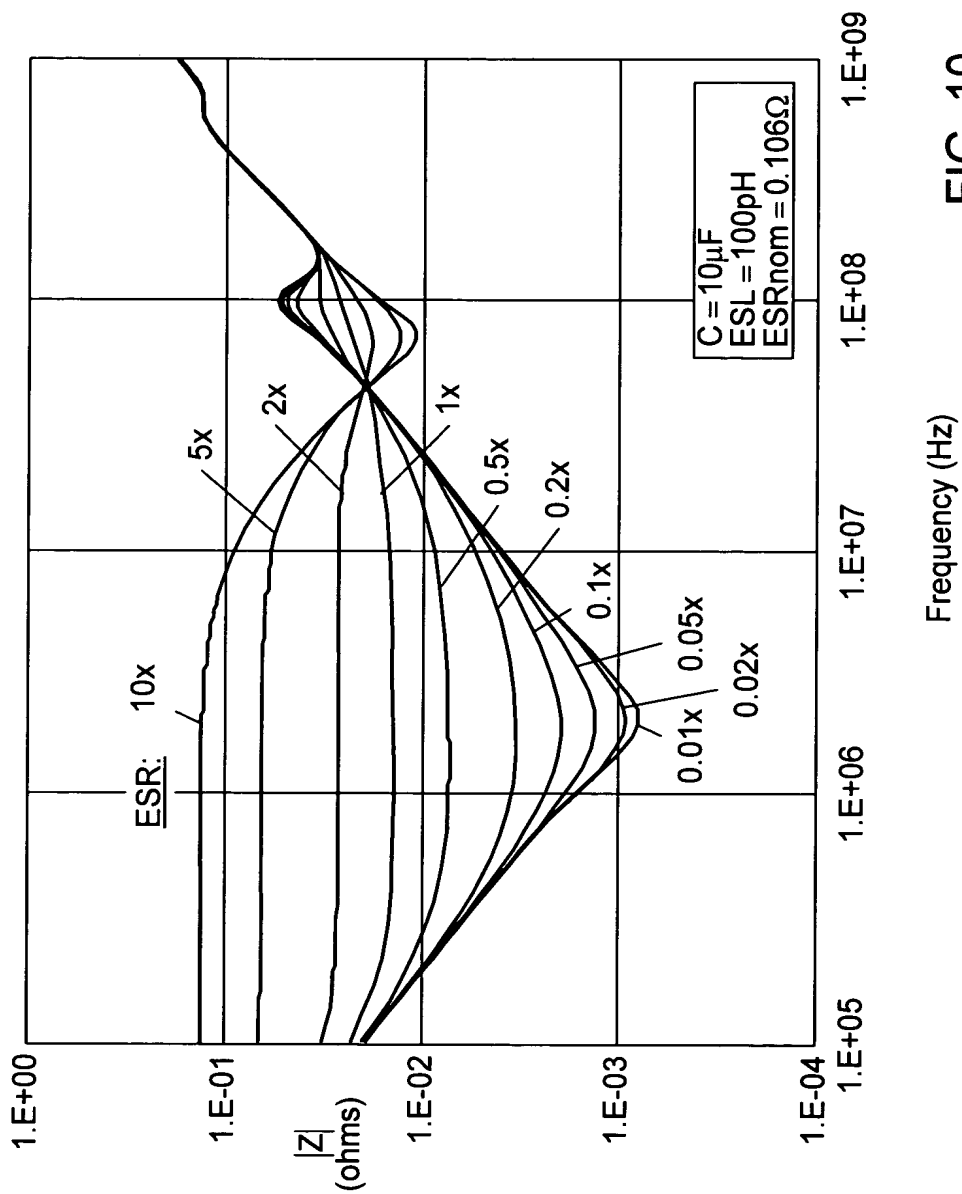


FIG. 10

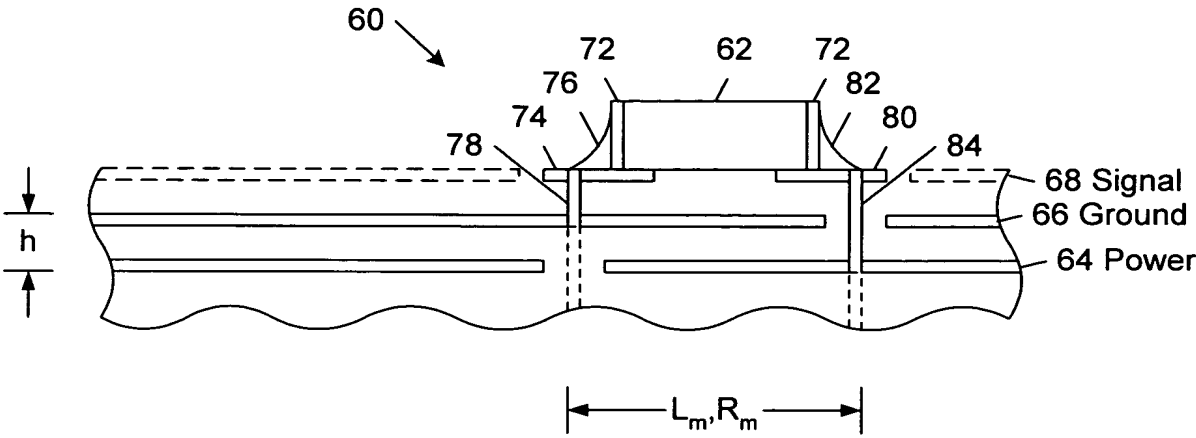


FIG. 11

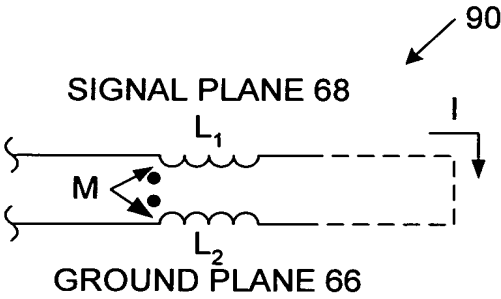


FIG. 12





FIG. 15

006T00"00000000

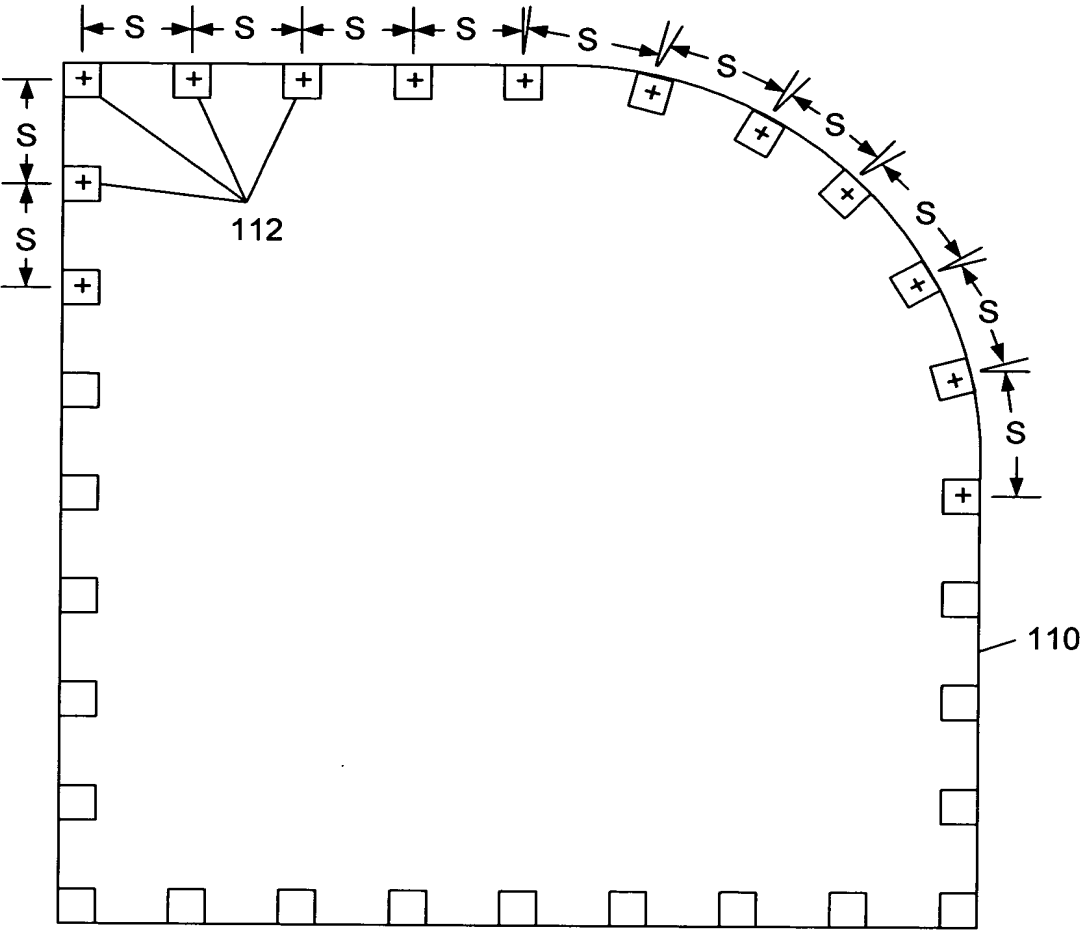


FIG. 16

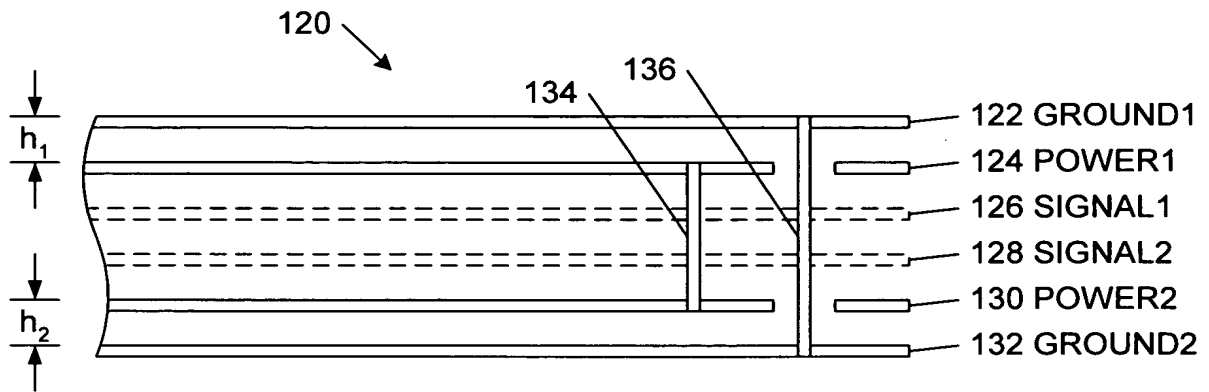


FIG. 17

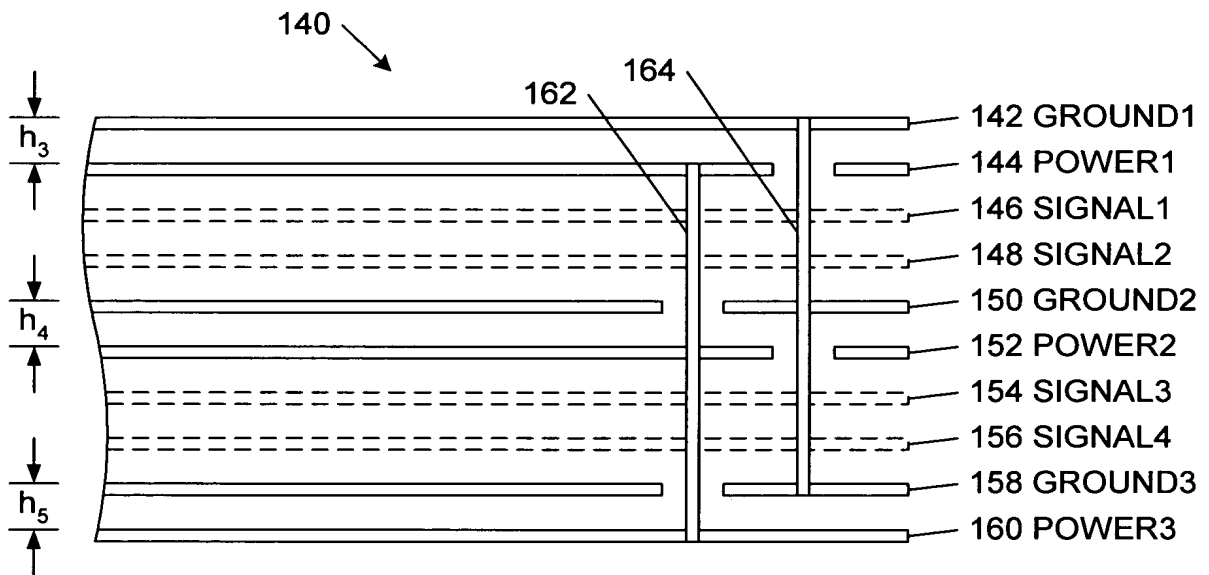


FIG. 18

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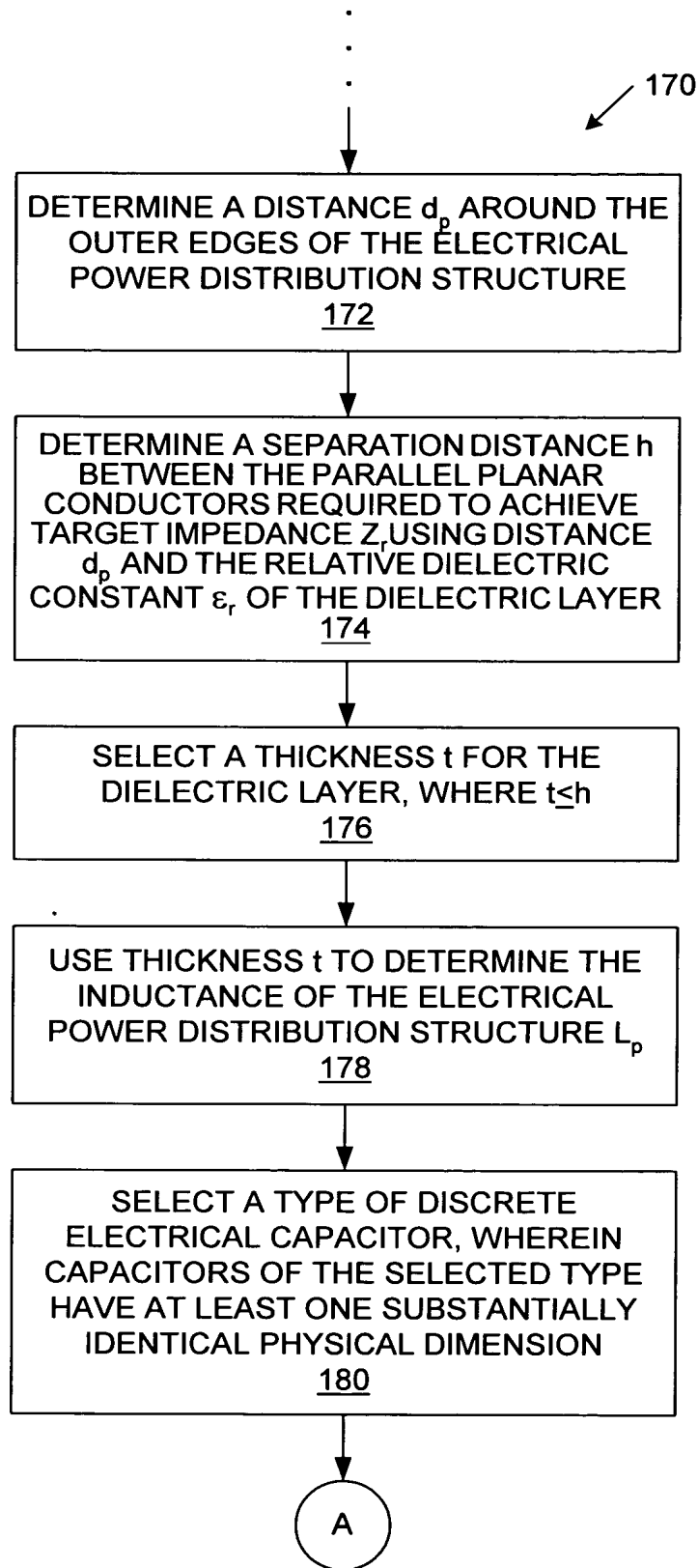


FIG. 19A

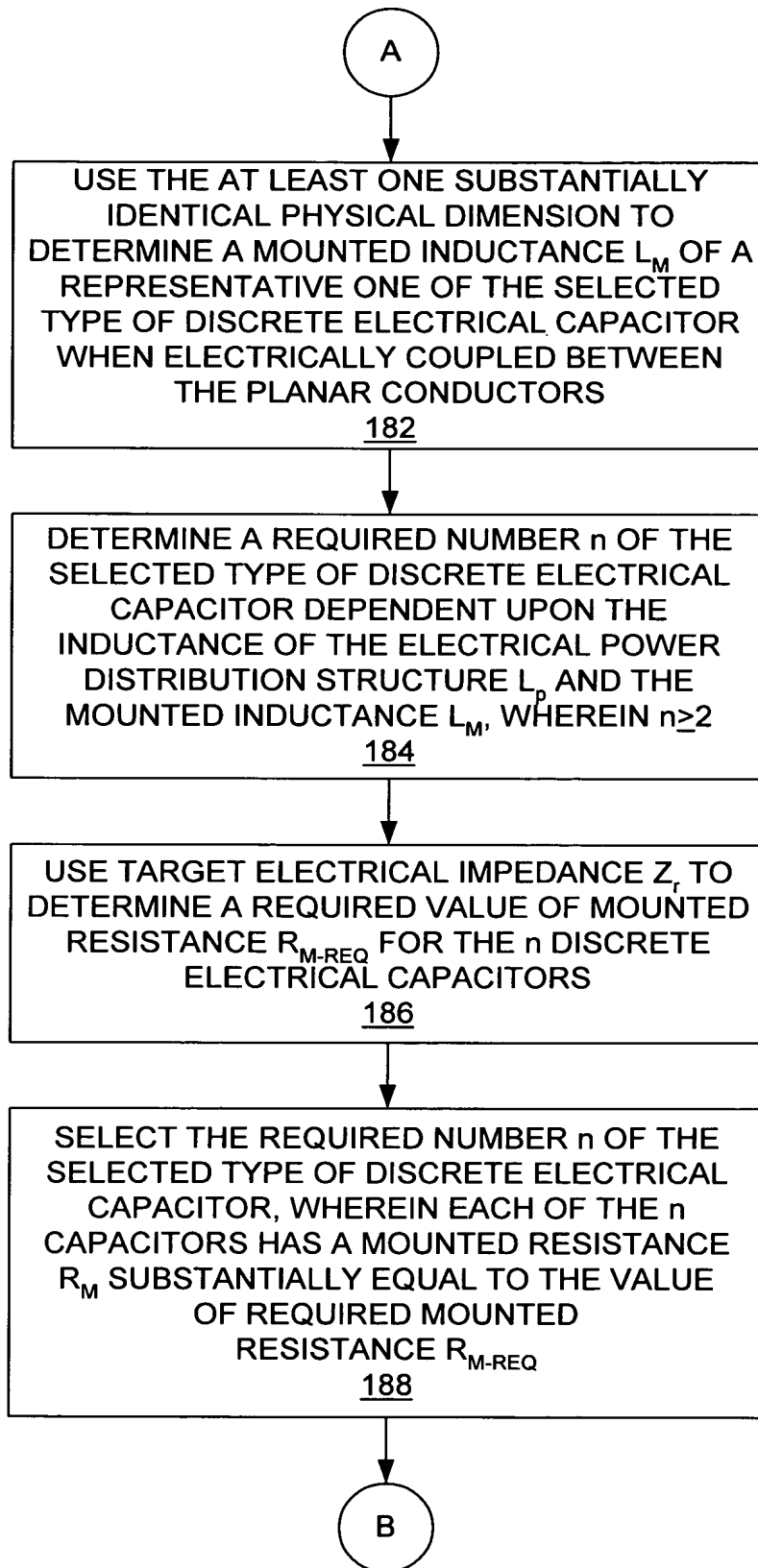


FIG. 19B

B

ELECTRICALLY COUPLE THE n DISCRETE ELECTRICAL CAPACITORS BETWEEN THE PLANAR CONDUCTORS

190

FIG. 19C

200

DETERMINE A DISTANCE d_p AROUND THE OUTER EDGES OF THE ELECTRICAL POWER DISTRIBUTION STRUCTURE

202

DETERMINE A SEPARATION DISTANCE h BETWEEN THE PARALLEL PLANAR CONDUCTORS REQUIRED TO ACHIEVE TARGET ELECTRICAL IMPEDANCE Z_r USING DISTANCE d_p AND THE RELATIVE DIELECTRIC CONSTANT ϵ_r OF THE DIELECTRIC LAYER

204

SELECT A THICKNESS t FOR THE DIELECTRIC LAYER, WHERE $t \leq h$

206

USE THICKNESS t TO DETERMINE THE INDUCTANCE OF THE ELECTRICAL POWER DISTRIBUTION STRUCTURE L_p

208

SELECT A TYPE OF DISCRETE ELECTRICAL CAPACITOR, WHEREIN CAPACITORS OF THE SELECTED TYPE HAVE AT LEAST ONE SUBSTANTIALLY IDENTICAL PHYSICAL DIMENSION

210

C

FIG. 20A

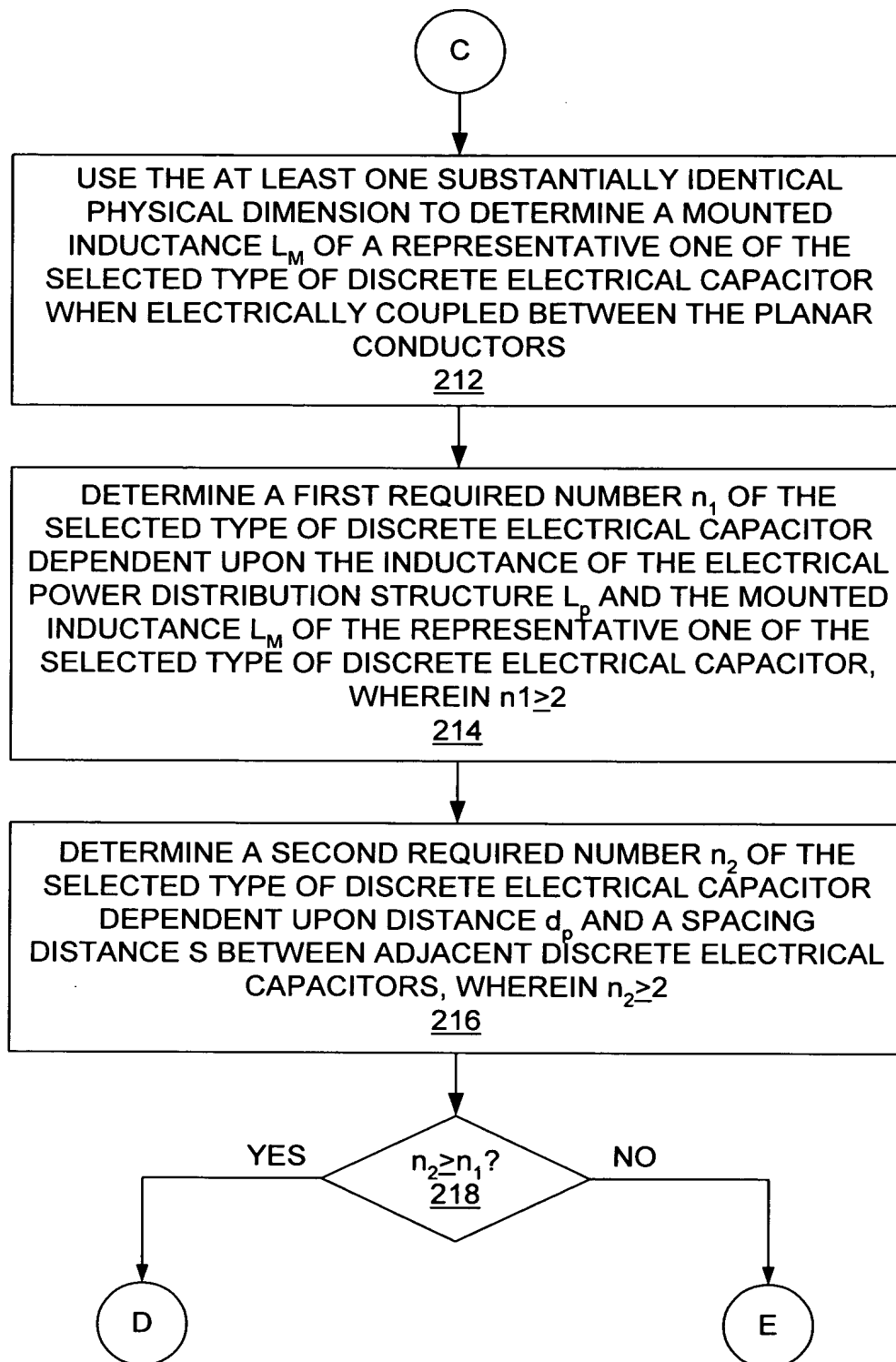


FIG. 20B

D

USE TARGET ELECTRICAL IMPEDANCE Z_T TO DETERMINE A
REQUIRED VALUE OF MOUNTED RESISTANCE R_{M-REQ} FOR
 n_2 OF THE DISCRETE ELECTRICAL CAPACITORS
220

SELECT n_2 OF THE DISCRETE ELECTRICAL CAPACITORS,
WHEREIN EACH OF THE n_2 CAPACITORS HAS A MOUNTED
RESISTANCE R_M SUBSTANTIALLY EQUAL TO THE VALUE OF
REQUIRED MOUNTED RESISTANCE R_{M-REQ}
222

ELECTRICALLY COUPLE THE n_2 DISCRETE ELECTRICAL
CAPACITORS BETWEEN THE PLANAR CONDUCTORS
ALONG THE OUTER PERIMETER OF THE PARALLEL PLANAR
CONDUCTORS
224

⋮
⋮
⋮

FIG. 20C

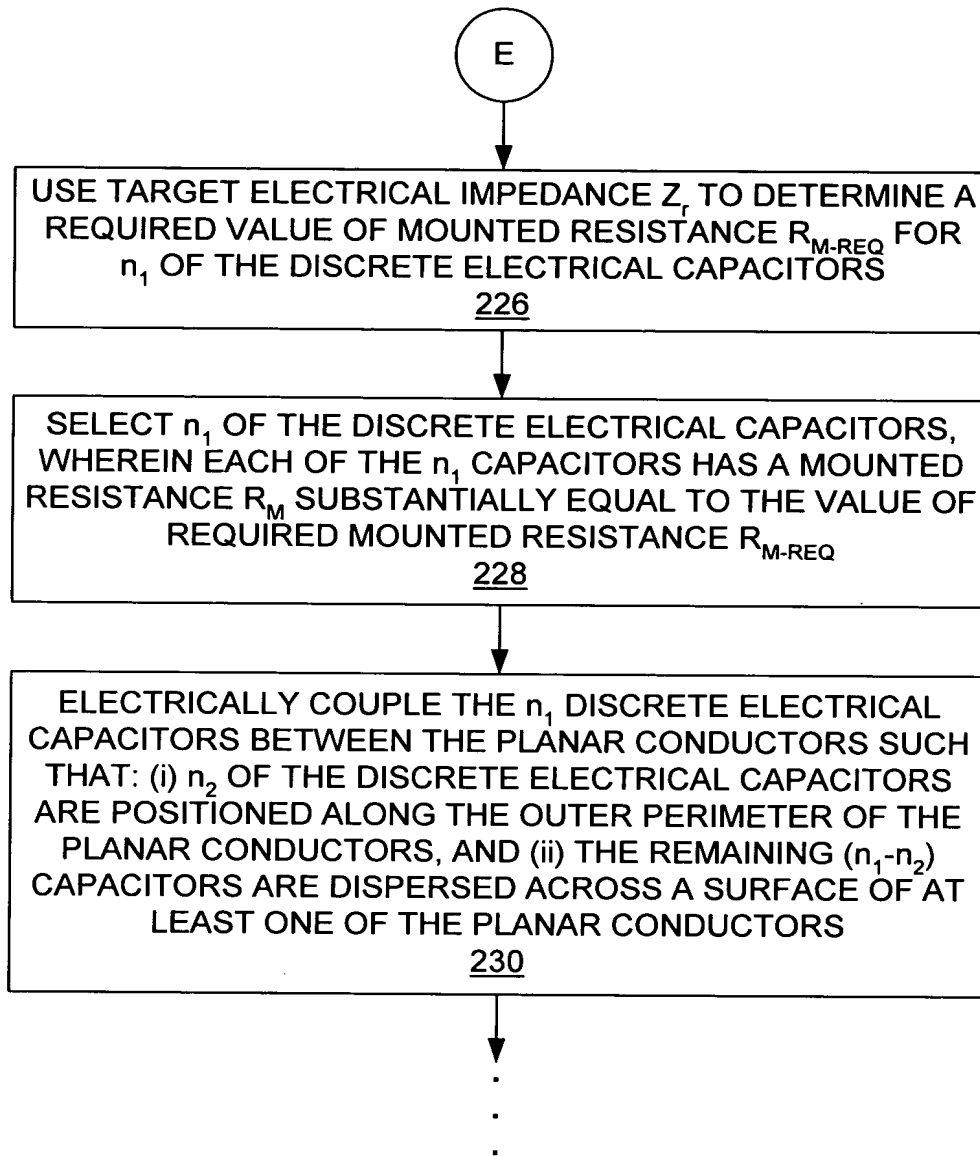


FIG. 20D